

## ABSTRACT

The present invention provides a production method for a powdered core, including steps of preparing a mixture including a soft magnetic powder and a resin powder to obtain a mixture, compacting the mixture into a predetermined shape to obtain a green compact and heating the green compact, and wherein the resin powder has a median size of not more than  $50\text{ }\mu\text{m}$ , and the resin powder amount is 0.01 to 5 vol%. The method reduces production cost, and decreases eddy-current loss  $W_e$  and hysteresis loss  $W_h$ , whereby a powdered core in which a durability is improved and the technical advantages are expanded can be provided.